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SOURCE Rabotnichesko Delo.

ADDITIONAL INFORMATION ON KALIN DAM

[00-W-22498 also gives information on Kalin Dam, including a sketch.]

The Kalin Dam System near Rila consists of three artificial lakes, the Maluk Kalin (Small Kalin), the Golyam Kalin (Large Kalin) and Karag'ol. The dam wall will cause the level of Lake Karag'ol to rise 16 meters. The depth of the lake will be 54 meters, and its surface will be increased from 77 decares to 120 decares. This expanded lake will have a capacity of 1,300,000 cubic meters of water. An underground canal connects Lake Karag'ol with Lake Golyam Kalin, which will also be expanded because of a dam wall. Another underground canal connects Lake Golyam Kalin with Lake Maluk Kalin.

Golyam Kalin and Maluk Kalin lakes will have a combined capacity of 3 million cubic meters of water. Together with Lake Karag'ol, they will supply water to the Kalin, Kamenitsa, Pestra, and Rila VETs (hydroelectric power stations). A special installation under the bottom of Lake Golyam Kalin will regulate the flow of the water through the underground canals. This installation will also control the water in Lake Karag'ol, which flows to and is used by the Kalin and Kamenitsa VETs.

Professor Lofitski, Soviet specialist, has given directions for building the dam under winter conditions and generally supervises the building project. He has ordered the construction of a 200-meter slanting gallery through which the water from Lake Karag'ol is to be pumped by means of several 10-zoll 30-centimeter pumps installed on floating rafts. With this pumped water, the power stations in the vicinity will produce 7 million kilowatt-hours of electric energy per year?].

- 1 -

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The wall of the dam is built in the following manner, by order of the Soviet specialist: A thick layer of cement mortar, two asphalt layers, one asphalted jute layer, one asphalt layer, another jute layer, another layer of cement mortar, and finally, granite blocks on top of all these layers.

The director of the dam is Angel Iliev. The dam will begin operation soon.

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- 2 -

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